PLANE TYPE COIL FOR MRI

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Abstract of **JP9187437**

PROBLEM TO BE SOLVED: To improve an SNR by making the width of an element at a part corresponding to 8-figured upper and lower sides of a plane type coil for MRI (magnetic resonance imaging) larger than the width of an element at a part corresponding to an 8-figured crossing side thereof to suppress the generation of an excess sensitivity area. SOLUTION: This plane type coil 100 for MRI has an 8-figured element E1 and, when the 8 figure of the element is viewed vertically, the width W1 of the element at a part corresponding to upper and lower sides of the coil is about two-ten times as much as the width Wk of the element at a part corresponding to an 8-figured crossing side thereof. In other words, as the width W1 of the element at the part corresponding to the 8-figured upper and lower sides is larger than the width Wk of the element corresponding to the 8-figured crossing side, a larger magnetic path surrounding the 8-figured upper and lower sides can reduce the intensity of magnetic fluxes B1 and B2 surrounding the 8-figured upper and lower sides. Thus, the generation of an excess sensitivity area near the element at the part corresponding to the 8-figured upper and lower sides is suppressed, thereby restricting the generation of undesired vibration magnetic fields and the accidental catching of noises.